Revised Budget and Enhanced Platform Integration

USC Partnerships and Open Source Geospatial Integration

Corrected CENIC Partnership Context

USC as CENIC Founding Member: USC's founding membership in CENIC and location in South Central LA creates significant strategic advantages for our platform development. The Annenberg Innovation Lab's community media research, combined with USC's Digital Humanities program and School of Cinematic Arts, provides direct academic partnerships within our target service area.

USC's extensive community engagement initiatives in South Central LA offer established relationships with neighborhood councils and community organizations we aim to serve. Their emphasis on community-controlled media production and social justice applications of technology directly aligns with our mission while providing academic credibility and research support.

OSGeo Live Integration Strategy

Geospatial Learning Enhancement: OSGeo Live provides comprehensive open source geospatial software packages that significantly enhance our drone documentation and crisis mapping capabilities. The live.osgeo.org workshop datasets offer standardized training materials for GIS education that integrate seamlessly with our FAA Part 107 certification programs and community mapping initiatives.

QGIS integration supports advanced analysis of drone point cloud data while PostGIS enhances our PostgreSQL database capabilities for spatial cultural heritage documentation. The OSGeo educational resources provide structured learning pathways from basic mapping through professional GIS certification, supporting our workforce development objectives.

Workshop Dataset Applications: OSGeo workshop datasets include urban planning scenarios, emergency management exercises, and cultural heritage documentation examples that directly support our community technology center training programs. These standardized datasets enable consistent training delivery across multiple sites while providing real-world applications relevant to Los Angeles communities.

Integration with our xAPI learning analytics captures detailed spatial learning progressions, supporting both individual advancement tracking and program evaluation. The datasets provide foundation content for eXeLearning module

development, creating SCORM-compliant training packages for distribution across community partners.

TurnKey Linux Application Integration

Simplified Deployment Architecture: TurnKey Linux appliances provide pre-configured solutions for several platform components, reducing deployment complexity and maintenance requirements. The Odoo appliance streamlines operations management deployment, while specialized appliances for PostgreSQL, file servers, and web applications support our integrated platform architecture.

Selected TurnKey Applications:

Moodle Appliance: Provides learning management system capabilities complementing our xAPI infrastructure, enabling integration with California CTE programs while maintaining community control over educational content and learner data.

MediaWiki Appliance: Supports community knowledge base development and collaborative documentation projects, creating shared resources for cultural heritage information and technical training materials.

Nextcloud Appliance: Enables secure file sharing and collaboration across community technology centers while maintaining data sovereignty and privacy controls essential for community trust.

WordPress Appliance: Supports community websites and documentation platforms for neighborhood councils and cultural organizations, providing accessible content management capabilities.

Revised Staffing and Budget Structure

LA 2050 Grant Budget ($75K): Primary focus on community engagement, platform development, and pilot program implementation within existing organizational structure.

Community Partners Incubator Budget ($75K): Supports 0.5 FTE positions and operational infrastructure for sustained program delivery and organizational development.

Revised Organizational Structure:

Position	FTE	LA 2050	Community Partners	Total
Executive Director	0.25	$15K	$10K	$25K
Technical Director	0.5	$25K	$15K	$40K
Community Coordinator	0.5	$20K	$15K	$35K
GIS/Drone Specialist	0.25	$10K	$10K	$20K

Position	FTE	LA 2050	Community Partners	Total
Media Production Coordinator	0.25	$5K	$15K	$20K
Personnel Total	**1.75**	**$75K**	**$65K**	**$140K**
Operations/Technology	-	$0K	$10K	$10K
Grand Total		**$75K**	**$75K**	**$150K**

Enhanced Platform Capabilities

OSGeo Integration Benefits: Adding OSGeo Live capabilities transforms our platform into a comprehensive geospatial learning environment supporting urban planning, environmental monitoring, and emergency management applications. Community members progress from basic mapping through professional GIS certification while contributing to neighborhood resilience and cultural preservation initiatives.

The standardized workshop datasets enable rapid deployment of training programs across community technology centers while maintaining consistency and quality. Integration with our existing xAPI analytics provides detailed tracking of spatial learning progressions, supporting both individual advancement and program evaluation.

Media Production Enhancement: TurnKey Linux media applications combined with OSGeo mapping capabilities create powerful storytelling tools for community cultural heritage documentation. Community members can create professional-quality multimedia presentations combining historical photographs, contemporary drone footage, and interactive mapping interfaces.

USC partnership provides access to professional media production facilities and expertise while maintaining community ownership and control over content creation and distribution. Student internships support technical operations while providing real-world experience in community-engaged media production.

Technical Infrastructure Optimization: TurnKey Linux appliances reduce technical complexity and maintenance requirements, enabling community technology centers to deploy sophisticated capabilities without extensive technical expertise. The appliance approach supports distributed deployment across neighborhood councils while maintaining centralized coordination and resource sharing.

OSGeo Live provides consistent training environments that can be deployed on various hardware configurations, supporting both desktop training and mobile field applications. The standardized approach enables technical

support efficiency while maintaining flexibility for local customization and community-specific applications.

USC Partnership Opportunities

Academic Collaboration: USC Digital Humanities program provides research support for platform development while offering student internship opportunities in community-engaged technology development. Faculty expertise in digital curation and community media informs our cultural heritage documentation approach.

School of Cinematic Arts partnership supports advanced media production capabilities while maintaining community control over storytelling and cultural representation. Student projects could create content for our Avalon media system while serving community documentation objectives.

Community Engagement: USC's established South Central LA partnerships provide entry points for community technology center development and neighborhood council engagement. Their experience in community-based participatory research informs our approach to platform development and evaluation.

Annenberg Innovation Lab's emphasis on civic media and community engagement provides models for our social learning platform development while offering research collaboration opportunities supporting both academic and community objectives.

Infrastructure Support: USC's CENIC membership provides high-speed networking infrastructure supporting our mesh networking initiatives while offering technical expertise for platform deployment and maintenance. Academic partnerships could include shared hosting, technical support, and infrastructure development leveraging existing CENIC resources.

This enhanced platform architecture leverages USC partnerships, OSGeo geospatial capabilities, and TurnKey Linux deployment efficiency to create a comprehensive community-controlled technology ecosystem supporting cultural preservation, workforce development, and neighborhood resilience within realistic budget constraints.